



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/528,950	03/23/2005	David E Penna	GB 020166	1521
24737 7590 05/18/2007 PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510			EXAMINER CHOWDHURY, AFROZA Y	
			ART UNIT 2609	PAPER NUMBER
			MAIL DATE 05/18/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/528,950	Applicant(s) PENNA ET AL.	
	Examiner Afroza Y. Chowdhury	Art Unit 2609	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received..

Attachment(s)

- | | |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) ✓ | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08).
Paper No(s)/Mail Date <u>12/20/2006</u> ✓ | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Specification

1. The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

Arrangement of the Specification

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

- (a) TITLE OF THE INVENTION.
- (b) CROSS-REFERENCE TO RELATED APPLICATIONS.
- (c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.
- (d) THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT.
- (e) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC.
- (f) BACKGROUND OF THE INVENTION.
 - (1) Field of the Invention.
 - (2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.
- (g) BRIEF SUMMARY OF THE INVENTION.
- (h) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
- (i) DETAILED DESCRIPTION OF THE INVENTION.
- (j) CLAIM OR CLAIMS (commencing on a separate sheet).
- (k) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
- (l) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

Claim Objections

2. Claims 13 and 14 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim of claims 10-12. See MPEP § 608.01(n). Accordingly, claim 13 and claim 14 have not been further treated on the merits.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1 and 10 are rejected under 35 U.S.C. 102(e) as being anticipated by Ota (US Patent 6437797).

As to claim 1, Ota discloses a portable computer device comprising: a data input (fig. 1(14), GPS receiver);

a control input (fig. 8(60A), picture button, fig. 9(64G), display position button);

data acceptance logic (fig. 2, code(Tag), col. 3, lines 61-67) arranged to accept data on the data input (col. 3, lines 16-18, data from satellites), to determine whether time and location information is present (col.3, 18-22), to add time and/or location

Art Unit: 2609

information to data items not having time and/or location information (col.3, 18-22) respectively and to store data items in memory (fig. 1(16), col. 3, lines 8-12, 39-46, SSFDC) together with respective time and location information;

and a display arrangement (figs. 1(14, 24)) arranged to cause the display of data items, including data items stored in the memory (fig. 1(16), col. 3, lines 8-12, 39-46, SSFDC), in one of a plurality of modes (fig. 8(60), fig. 9(64B-64D)), the modes including a time mode (fig. 9(64)) and a space mode (fig. 9(66)), the display arrangement being arranged:

to switch between the time (fig. 9(64B)) and space (fig. 9(64G)) modes in response to a corresponding input on the control input (col. 5, lines 47-61));

to display in the time mode (fig. 9(64B)) a representation of a time interval together with representations of those data items that have respective time information in the time interval, the representations of data items being displayed at locations corresponding to the respective time information (fig. 9 (64E, 64F));

and to display in the space mode (fig. 9(66)) a representation of a display area together with representations of those data items that have respective location information within the display area, the representations of data items being displayed at locations corresponding to the respective location information.

Art Unit: 2609

As to claim 10, Ota discloses a method of operation of a computer device the method including: accepting (fig. 1(14), GPS receiver) input data;

testing whether input data includes time information and determining the time of any input data not including time information (col. 6, lines 17-20);

testing whether input data includes location information (col. 5, lines 53-61) and determining the computer device location as the location of any input data not including location information (col. 6, lines 17-20);

recording (fig. 11, col. 3, lines 25-30) input data as data items including both time information and location information;

accepting an input to select a time or a space mode (col. 3 lines 18-22);

in the time mode (col. 5, lines 48-52), displaying on a display screen representations (fig. 9(64)) of data items in a time interval on a time line according to the time information stored in the memory corresponding to the data items (col. 5, lines 11-17, col. 7, lines 46-52);

in the space mode, displaying on the display screen representations (fig. 9(66)) of data items on a displayed area according to the location information corresponding to the data items (col. 7, lines 46-52).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 2-3, 5-9, and 11-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ota (US Patent 6437797) in view of Ogaki et al. (US Pub 20020154150).

As to claim 2, Ota discloses image data managing method using GPS receiver. Ota does not teach a zoom control.

Ogaki et al. (herein after Ogaki) teaches a display control method comprising a zoom control (fig. 4, page 2, [0019], [0022]).

Therefore, it would have been obvious to one skill in the art at the time the invention was made to combine Ogaki's display control method with Ota's image data managing method in order to adjust the zoom setting of the display to adjust the displayed time interval and the display area to get more detail positional information of captured images.

As to claim 3 Ogaki teaches a display control method where the data items are displayed together with information relating to the data items, the amount of information

Art Unit: 2609

displayed for each data item varying with the zoom setting set by the zoom control ((fig. 4, (Menu, Address) page 4, [0052])).

As to claim 5, Ota teaches a portable computer device comprising a control (fig. 8(60A), picture button, fig. 9(64G), display position button) for selecting data items wherein on switching between time and location modes the selected data item remains displayed.

As to claim 6, Ota teaches a portable computer device wherein the display of data items includes displaying icons (fig. 8(60)) corresponding to the data items.

As to claim 7, Ota discloses a computer device wherein the data acceptance logic (fig. 2) associates a tag (fig. 2(32), (34), col. 3, lines 61-67, Info Private tag and Exif Private tag) of predetermined format with each data item, the tag including the location, the time and the type of the corresponding data item.

As to claim 8, Ogaki teaches a display control method comprising a scroll control (fig. 4, page 2, [0019], [0022]) for scrolling the time mode and space mode displays.

As to claim 9, Ota teaches a computer device comprising a camera (fig. 1(12), col. 3, lines 25-27) to record images.

Art Unit: 2609

As to claim 11, Ogaki teaches a method including accepting input on a zoom control (fig. 4, page 2, [0019], [0022]) and zooming the display to change the display area in the space mode and to change the time interval in the time mode wherein the data items are displayed together with information relating to the data items, the amount of information displayed for each data item varying with the zoom setting set by the zoom control.

As to claim 12, Ota teaches a method including recording an image corresponding to a new event (col. 3, lines 16-22), storing the image as a data item (col. 3, lines 39-41) together with the time and location information and displaying the image when displaying the data item (col. 3, lines 41-46).

As to claim 13, Ota teaches a computer program product (fig. 3, image managing (IM) software, col. 4, lines 28-31) arranged to cause a computer to carry out the steps of a method.

As to claim 14, Ota teaches a computer program product (fig. 3, digital map (DM) software, col. 4, lines 8-11) recorded on a data carrier (fig. 1(16), col. 3, lines 8-12, 39-46, SSFDC).

Art Unit: 2609

7. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ota (US Patent 6437797) in view of Ogaki et al. (US Pub 20020154150) and in further view of Rusch (US Patent 6801777).

As to claim 4, Ota (modified by Ogaki) discloses a image reproducing device including a GPS unit comprising: a location determining arrangement (col. 3, lines 13-22) for obtaining location information; and a clock unit (fig. 9(64B) for determining time information, wherein the display arrangement includes a screen (figs. 8-14) for displaying information; and the data input (fig. 1(14), GPS receiver). It is obvious that GPS receiver includes data exchange circuitry.

Ota (modified by Ogaki) does not teach a portable computer device including a wireless interface for bi-directional communication.

Rusch teaches a wireless communication device that includes various wireless protocols (fig. 1, col. 2, lines 26-28, 34-59).

Therefore, it would have been obvious to one skill in the art at the time the invention was made to combine Rusch's wireless communication device with Ota's GPS receiver to built a portable computer device which can be advantageous to determine positional and time information for image data and for wireless communicating with various communication networks.

Art Unit: 2609

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Afroza Y. Chowdhury whose telephone number is 571-270-1543. The examiner can normally be reached on 7:30-5:00 EST, 5/4/9.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amare Mengistu can be reached on 571-272-7674. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AC

5/2/2007


AMARE MENGISTU
SUPERVISORY PATENT EXAMINER